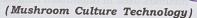
24R/23A-2025 (BOT2103SE)

2025

BOTANY

(SEC)

Paper: BOT2103SE



Full Marks: 35

Time: 1½ hours

The figures in the margin indicate full marks for the questions.

- 1. Answer the following questions:  $1\times4=4$ 
  - (a) What is spawn?
  - (b) Name one edible mushroom available in Assam.
  - (c) What is Compost?
  - (d) Name two artificial culture media for mushroom cultivation.

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Contd.

- 2. Answer the following questions: 2×3=6
  - (a) What vitamins are abundant in mushrooms?
    - (b) Write the nutritional value of oyster mushroom.
    - (c) Write the different types of sterilization methods used in mushroom cultivation.
- 3. Answer the following questions : (any three)  $5\times 3=15$ 
  - (a) Write briefly the medicinal benefits of mushrooms.
  - (b) Write briefly the low-cost technology for mushroom cultivation.
  - (c) Explain the preparation of PDA medium.
  - (d) Write the methods for preserving mushrooms.
  - (e) Write about the botanical description of Agaricus bisporus.

- 4. Answer the following questions : (any one)  $10 \times 1 = 10$ 
  - (a) What are the various steps for mushroom cultivation? Write briefly the importance of mushroom storage.
  - (b) Write briefly the Paddy straw mushroom cultivation. What are the advantages of cultivation of Paddy straw mushroom?